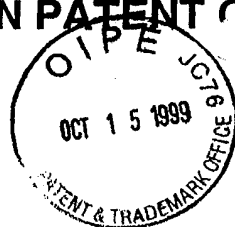


EUROPEAN PATENT OFFICE

Patent Abstracts of Japan



PUBLICATION NUMBER : 63296962
PUBLICATION DATE : 05-12-88

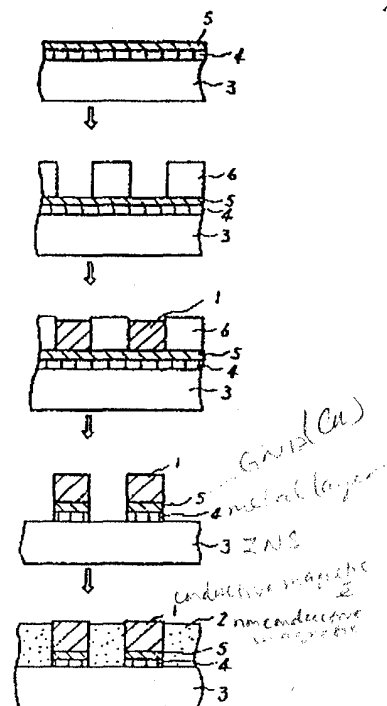
APPLICATION DATE : 29-05-87
APPLICATION NUMBER : 62131201

APPLICANT : HITACHI KOKI CO LTD;

INVENTOR : KOJIMA RYOJI;

INT.CL. : B41J 3/18

TITLE : RECORDING ELECTRODE OF IMAGE RECORDER AND ITS MANUFACTURE



ABSTRACT : PURPOSE: To enable recording of high resolution to be performed by strengthening magnetic combination, with toner, by a method wherein by combination of a photoetching method and a plating method, a group of recording electrode of thick film thickness and high density, composed of conductive materials is formed on an insulating substrate, and non-conductive magnetic materials are filled in spaces thereof.

CONSTITUTION: A thin film of a metal layer easy to be oxidized is formed on an insulating substrate 3 and, for instance, copper as a ground layer 5 is applied to all surfaces thereof. After applying photo resist in relation to photosensitive resin, a fine line pattern 6 is formed by photoetching. Then, conductive magnetic materials are applied to spaces among the fine line pattern on the ground layer 5 by a plating method and conductive magnetic electrodes 1 are formed. Thereafter, a fine line pattern other than said conductive magnetic electrodes 1 is removed by etching of the ground layer 5 thereunder and the metal layer 4, and non-conductive magnetic powder is mixed with organic binder and filled by coating in spaces among many conductive magnetic electrodes 1 newly formed to form non-conductive magnetic materials 2.

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